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PATENT COOPERATION TREATY

PCT

PCT Application
PCT/CN2004/001352INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

| | | | |
|---|---|--|-----------------------|
| Applicant's or agent's file reference IP04010 | FOR FURTHER ACTION | | See Form PCT/IPEA/416 |
| International application No. PCT/CN2004/001352 | International filing date (day/month/year) 25.Nov.2004 (25.11.2004) | Priority date (day/month/year) 25.Dec.2003 (25.12.2003) | |
| International Patent Classification (IPC) or national classification and IPC IPC ⁷ : C22C14/00 | | | |
| <p>Applicant INSTITUTE OF METAL RESEARCH CHINESE ACADEMY OF SCIENCES et al.</p> <p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of <u>2</u> sheets, as follows: <input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> <p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application</p> | | | |
| Date of submission of the demand 08.May 2005 (08.05.2005) | Date of completion of this report 12.Dec.2005 (12.12.2005) | | |
| Name and mailing address of the IPEA/CN The State Intellectual Property Office, the P.R.China, 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451 | <p>Authorized officer PANG, Limin</p> <p>Telephone No. (86-10) 62084726</p>  | | |

Box No. I Basis of the report

1. With regard to the language, this report is based on:

the international application in the language in which it was filed

a translation of the international application into _____, which is the language of a translation furnished for the purposes of:

international search (Rules 12.3(a) and 23.1(b))

publication of the international application (Rule 12.4(a))

international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

the international application as originally filed/furnished

the description:

| | | |
|---------|---------|--|
| pages | 1, 3-13 | as originally filed/furnished |
| pages * | 2 | received by this Authority on 08.May 2005 (08.05.2005) |
| pages * | _____ | received by this Authority on _____ |

the claims:

| | | |
|---------|-------|---|
| pages | _____ | as originally filed/furnished |
| pages * | _____ | as amended (together with any statement) under Article 19 |
| pages * | 1 | received by this Authority on 08.May2005 (08.05.2005) |
| pages * | _____ | received by this Authority on _____ |

the drawings:

| | | |
|---------|-------|-------------------------------------|
| pages | 1-8 | as originally filed/furnished |
| pages * | _____ | received by this Authority on _____ |
| pages * | _____ | received by this Authority on _____ |

a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. The amendments have resulted in the cancellation of:

the description, pages _____

the claims, Nos. _____

the drawings, sheets/figs _____

the sequence listing (*specify*): _____

any table(s) related to sequence listing (*specify*): _____

4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

the description, pages _____

the claims, Nos. _____

the drawings, sheets/figs _____

the sequence listing (*specify*): _____

any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/CN2004/001352

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement:

| | | |
|-------------------------------|--------------|-----|
| Novelty (N) | Claims 1-13 | YES |
| | Claims _____ | NO |
| Inventive step (IS) | Claims 1-13 | YES |
| | Claims _____ | NO |
| Industrial applicability (IA) | Claims 1-13 | YES |
| | Claims _____ | NO |

2. Citations and explanations (Rule 70.7)

None of the subject matters of claims 1-13 has been anticipated in the prior art. So claims 1-13 appear to be novel according to Art. 33(2) PCT.

None of the subject matters of claims 1-13 could be obtained plainly or logically from the prior art, and they are not obvious to the skilled in the art. Therefore, in view of the documents cited in the Search Report, the subject matters of claims 1-13 appear to involve inventive step according to the Art. 33(3) PCT.

Claims 1-13 can be made or used according to their nature and are therefore industrially applicable according to Art. 33(4) PCT.